

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 11   | US-5584699-\$.DID. OR<br>US-5675802-\$.DID. OR<br>US-5802514-\$.DID. OR<br>US-6134552-\$.DID. OR<br>US-6175841-\$.DID. OR<br>US-6430563-\$.DID.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/04/21 12:57 |
| S2    | 9    | US-6336813-\$.DID. OR<br>US-6381444-\$.DID. OR<br>US-6397036-\$.DID. OR<br>US-6729885-\$.DID. OR<br>US-RE38432-\$.DID  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/04/21 12:58 |
| S3    | 30   | US-5008853-\$.DID. OR<br>US-5310349-\$.DID. OR<br>US-5788508-\$.DID. OR<br>US-5881315-\$.DID. OR<br>US-6014134-\$.DID. OR<br>US-6091930-\$.DID. OR<br>US-6099320-\$.DID. OR<br>US-6148338-\$.DID. OR<br>US-6149438-\$.DID. OR<br>US-6347943-\$.DID. OR<br>US-6370355-\$.DID. OR<br>US-6470171-\$.DID. OR<br>US-6587668-\$.DID. OR<br>US-6622003-\$.DID. OR<br>US-6643493-\$.DID. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/04/21 12:59 |
| S4    | 2    | US-6709330-\$.DID.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/04/21 13:00 |
| S5    | 24   | US-5395243-\$.DID. OR<br>US-6011949-\$.DID. OR<br>US-6112049-\$.DID. OR<br>US-6149441-\$.DID. OR<br>US-6162060-\$.DID. OR<br>US-6164974-\$.DID. OR<br>US-6315572-\$.DID. OR<br>US-6347333-\$.DID. OR<br>US-6368110-\$.DID. OR<br>US-6398556-\$.DID. OR<br>US-6514085-\$.DID. OR<br>US-6527556-\$.DID.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | ON      | 2006/04/21 13:01 |

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|     |       |  |   |     |    |                  |
|-----|-------|--|---|-----|----|------------------|
| S6  | 21    | 2003/0152904 2003/0152905<br>2003/0152906 2003/0157470<br>"6606480" 2003/0175664<br>2003/0175676 "6633742" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2006/04/21 13:02 |
| S7  | 97    | S1 S2 S3 S4 S5 S6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2006/04/21 13:02 |
| S8  | 28794 | online (class or course)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:32 |
| S9  | 645   | 434/350.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:30 |
| S10 | 454   | 434/323.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:30 |
| S11 | 594   | 434/362.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:30 |
| S12 | 604   | 434/118.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:30 |
| S13 | 30163 | S8 S9 S10 S11 S12  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2006/04/21 14:30 |

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|     |     |                                    |   |     |    |                  |
|-----|-----|------------------------------------|---|-----|----|------------------|
| S14 | 338 | S13 enroll register                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:31 |
| S15 | 179 | online adj (class or course)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:34 |
| S16 | 6   | ( S9 or S10 or S11 or S12) S14 S15 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:34 |
| S17 | 561 | online near3 (class or course)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:36 |
| S18 | 8   | ( S9 or S10 or S11 or S12) S14 S17 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:37 |
| S19 | 553 | S17 not S18                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:35 |
| S20 | 0   | S16 not S18                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:35 |
| S21 | 2   | S18 not S16                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/21 14:35 |

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|     |      |   |   |     |     |                  |
|-----|------|---|---|-----|-----|------------------|
| S22 | 4546 | electronic near3 (class or course)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/04/21 14:36 |
| S23 | 4    | ( S9 or S10 or S11 or S12) S14 S22                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/04/21 14:37 |
| S24 | 3    | (US-6347333-\$ or US-6368110-\$ or US-6409514-\$).did.    | USPAT   | AND | ON  | 2006/04/21 14:46 |
| S25 | 3    | S24 (enroll or register or data or information or grades) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/04/21 14:49 |
| S26 | 645  | 434/350.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/04/21 14:55 |
| S29 | 2    | ("6347333").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/04/24 16:14 |
| S30 | 1    | S29 (start or begin or launch or course)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/04/24 11:33 |
| S31 | 1    | S29 (track or progress or score or grade or course)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/04/24 14:52 |
| S32 | 1    | S29 (track or progress or score or grade)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/04/24 13:49 |

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|     |      |   |   |     |    |                  |
|-----|------|---|---|-----|----|------------------|
| S33 | 3    | (US-6368110-\$ or US-6347333-\$ or US-6409514-\$).did.          | USPAT   | AND | ON | 2006/04/24 11:57 |
| S34 | 0    | S33 soap  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 11:57 |
| S35 | 2    | S33 protocol  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 14:01 |
| S36 | 4    | "434"/\$.ccls. (Simple adj Object adj Access adj Protocol)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 12:04 |
| S37 | 2737 | (Simple adj Object adj Access adj Protocol)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 12:05 |
| S38 | 780  | (Simple adj Object adj Access adj Protocol) course              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 13:23 |
| S39 | 83   | (Simple adj Object adj Access adj Protocol) education           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 12:06 |
| S40 | 3    | S33 (data or information or identification)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 12:14 |
| S41 | 3    | S33 (data or information or identification or metadata or name) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 12:21 |

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|     |     |   |   |     |    |                  |
|-----|-----|---|---|-----|----|------------------|
| S42 | 3   | S33 (web or navigate or browser or store or data)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 12:57 |
| S43 | 3   | S33 (server or information or data or store)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 12:57 |
| S44 | 768 | (Simple adj Object adj Access adj Protocol) course soap       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 13:25 |
| S45 | 409 | (Simple adj Object adj Access adj Protocol) class course soap | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 13:25 |
| S46 | 1   | S29 (track or progress or score or grade or time or view)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 13:49 |
| S47 | 3   | S33 (course or catalog or update or data or metadata)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 14:07 |
| S48 | 1   | S33 (course adj catalog)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 14:13 |

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|     |    |  |                                |     |    |                  |
|-----|----|--|--------------------------------|-----|----|------------------|
| S49 | 97 | (US-20050222899-\$ or<br>US-20040038292-\$).did. or<br>(US-7014467-\$ or US-6975833-\$ or<br>US-6892049-\$ or US-6915105-\$ or<br>US-6827578-\$ or US-6729885-\$ or<br>US-6622003-\$ or US-6643493-\$ or<br>US-6587668-\$ or US-6633742-\$ or<br>US-6606480-\$ or US-6514085-\$ or<br>US-6381444-\$ or US-6470171-\$ or<br>US-6398556-\$ or US-6347943-\$ or<br>US-6397036-\$ or US-6370355-\$ or<br>US-6368110-\$ or US-6336813-\$ or<br>US-6347333-\$ or US-6164974-\$ or<br>US-6162060-\$ or US-6149441-\$ or<br>US-6112049-\$ or US-6091930-\$).<br>did. or (US-5788508-\$ or<br>US-5310349-\$ or US-5008853-\$ or<br>US-6999954-\$ or US-6996366-\$ or<br>US-6925601-\$ or US-6907416-\$ or<br>US-6884074-\$ or US-6755662-\$ or<br>US-6430563-\$ or US-6315572-\$ or<br>US-6175841-\$ or US-6149438-\$ or<br>US-6148338-\$ or US-6134552-\$ or<br>US-6099320-\$ or US-6014134-\$ or<br>US-6011949-\$ or US-7029280-\$ or<br>US-5675802-\$ or US-5584699-\$ or<br>US-5395243-\$ or US-6709330-\$ or<br>US-6527556-\$ or US-5881315-\$ or<br>US-5802514-\$).did. or<br>(US-6709330-\$ or US-6633742-\$ or<br>US-6622003-\$ or US-6587668-\$ or<br>US-6397036-\$ or WO-200237447-\$<br>or WO-200231799-\$ or<br>US-6370355-\$ or US-6368110-\$ or<br>US-6347943-\$ or CA-2349887-\$ or<br>US-20030118978-\$ or<br>US-20020072048-\$ or<br>US-6175841-\$ or US-6162060-\$ or<br>US-6149441-\$ or US-6149438-\$ or<br>US-6112049-\$ or US-6091930-\$ or<br>JP-2000076161-\$ or US-6014134-\$<br>or US-6527556-\$ or<br>US-20030017443-\$ or<br>US-6470171-\$ or US-6398556-\$ or<br>US-6134552-\$).did. or<br>(US-5881315-\$ or GB-2338583-\$ or<br>US-5788508-\$ or US-6146148-\$ or<br>US-6347333-\$ or US-6315572-\$ or<br>EP-710942-\$ or US-5395243-\$ or<br>US-5310349-\$ or EP-319232-\$ or<br>NL-6606480-\$ or ZA-6606480-\$ or<br>US-6099320-\$ or US-5802514-\$ or<br>US-5675802-\$ or JP-09062176-\$ or<br>US-5584699-\$).did. | US-PGPUB;<br>USPAT;<br>DERWENT | AND | ON | 2006/04/24 14:08 |
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## EAST Search History

|     |    |  |   |     |    |                  |
|-----|----|--|---|-----|----|------------------|
| S50 | 7  | S49 (course adj catalog)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 14:08 |
| S51 | 3  | S33 ((course adj catalog) or (list near3 (class or course))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 14:16 |
| S52 | 18 | S49 ((course adj catalog) or (list near3 (class or course))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 14:16 |
| S53 | 2  | S29 (data or store or information or grades)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 15:01 |
| S54 | 2  | S29 (data or store or (module adj content adj server))       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 15:02 |
| S55 | 2  | S29 (machine or readable or medium or instructions)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 15:25 |
| S56 | 1  | S29 (database)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 15:35 |
| S57 | 1  | S29 (database or (course adj catalog))                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2006/04/24 15:44 |



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|     |   |  |   |     |     |                  |
|-----|---|--|---|-----|-----|------------------|
| S58 | 1 | S29 (database or iwp or (course adj catalog))              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/04/24 15:48 |
| S59 | 1 | S29 (database or iwp or data (course adj catalog))         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/04/24 15:49 |
| S60 | 2 | S29 (database or information or data (course adj catalog)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/04/24 15:49 |
| S61 | 0 | ("2(accessorcourse)").PN.                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/04/24 16:14 |
| S62 | 2 | S29 (access or course)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/04/24 16:14 |